UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/771,946	02/04/2004	Xiping Song	2003P02336US01	3785

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EXAMINER
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

-- *The MAILING DATE of this communication appears on the cover sheet with the correspondence address* --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) ☒ Responsive to communication(s) filed on <u>14 June 2004</u>.
2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) ☒ Claim(s) <u>1-25</u> is/are pending in the application.
    4a) Of the above claim(s) _____ is/are withdrawn from consideration.
5) ☐ Claim(s) _____ is/are allowed.
6) ☒ Claim(s) <u>1-25</u> is/are rejected.
7) ☐ Claim(s) _____ is/are objected to.
8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) ☐ The specification is objected to by the Examiner.
10) ☒ The drawing(s) filed on <u>14 June 2004</u> is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
    a) ☐ All   b) ☐ Some * c) ☐ None of:
      1. ☐ Certified copies of the priority documents have been received.
      2. ☐ Certified copies of the priority documents have been received in Application No. _____.
      3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date <u>2/4/04</u>.

4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____.
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____.

Detailed Action

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that

form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-25 are rejected under 35 U.S.C. 102(e) as being anticipated by Zhou et

al (US Patent No: 6,856,989), hereafter referred to as Zhou

1. With regards to claim 1, Zhou teaches a system employed by a first

   application for supporting concurrent operation of a plurality of user initiated

   operation sessions, comprising: a communication processor for

   communicating a session initiation request *(Equivalent to the client requesting*

   a file; see column 2, line 41, Zhou) to a managing application *(Equivalent to*

   transfer agent also known as a web server; see column 2, line 40 and column

   3, lines 22-23, respectively, Zhou) to initiate generation of a session identifier

   particular to a user initiated session and for receiving from said managing

   application data representing a response address link identifying an address

   of a web page supporting said particular user initiated session, said data

   representing said response address link incorporating an identifier for

identifying a particular server supporting said particular user initiated session *(The transfer agent (which is included in the web server) sends a symbolic link to the requesting client; see column 2, lines 39-48, Zhou. The symbolic link has a URL (address) and is associated with webpage related to the client request (webpage contains the requested file))*; and a processor for parsing said received data representing said response address link to extract and store said server identifier for use in directing communications associated with said particular user initiated session to said particular server *(Refer to the flowchart within Figure 4 of Zhou's disclosure. Within the flowchart and the related description, it is made clear how a URL is filtered (parsed) to extract and store (inherent) the link and associated file)*.

2. With regards to claim 2, Zhou teaches a system wherein said communication processor initiates communication associated with said particular user initiated session with said particular server using a URL incorporating data representing said particular server identifier *(Zhou's design uses a URL for transferring the requested data; see column 2, lines 39-48, Zhou))*.

3. With regards to claims 3, 13 and 19, Zhou teaches a system including a switch for receiving and parsing said URL to detect said data representing said particular server identifier and for redirecting said communication associated with said particular user initiated session to said particular server *(Equivalent to the web server with the filter; see Figure 2B(1))*.

4. With regards to claims 4, 14 and 17, Zhou teaches a system wherein said switch detects said data representing said particular server identifier in response to predetermined rules and said predetermined rules compare URL character strings with a predetermined character string to determine a match of a server identifier with stored predetermined server identifiers to identify a particular server *(see column 6, lines 24-34 and lines 48-53, Zhou)*.

5. With regards to claims 5 and 15, Zhou teaches a system wherein said processor for parsing said received response address link is implemented in at least one of, (a) JavaScript, (b) XML, (c) HTML, (d) another Script language and (e) another computer language *(see column 1, lines 63-64, Zhou)*.

6. With regards to claim 6, Zhou teaches a system wherein said session identifier is used to uniquely identify said user initiated session *(see column 3, lines 57-59, Zhou)*.

7. With regards to claim 7, Zhou teaches a system wherein said session initiation request to said managing application also initiates generation of an encryption key particular to said user initiated session for use by said first application *(see column 5, lines 11-18, Zhou)*.

8. With regards to claim 8, Zhou teaches a system including an entitlement processor for authorizing user access to said first application in response to validation of user identification information *(see column 5, lines 11-18, Zhou)*.

9. With regards to claim 9, Zhou teaches a system wherein said managing application manages operation of a server *(Zhou's transfer agent is within the web server; see column 3, lines 22-23, Zhou)*

10. With regards to claim 10, Zhou teaches a system wherein said communication processor communicates said session initiation request to said managing application using a URL *(see column 2, lines 42-47, Zhou)*.

11. With regards to claim 11, Zhou teaches a system employed by a managing application for supporting concurrent operation of a plurality of user initiated application operation sessions, comprising: a session identifier generator for generating a session identifier particular to a user initiated session *(The transfer agent (which is included in the web server) sends a symbolic link to the requesting client; see column 2, lines 39-48, Zhou)*; and an interface processor for providing data representing a response address link identifying an address of a web page supporting said particular user initiated session, said response address link incorporating an identifier for identifying a particular server supporting said particular user initiated session *(Zhou's transfer agent (which is included in the web server) sends a symbolic link to the requesting client; see column 2, lines 39-48, Zhou. The symbolic link has a URL (address) and is associated with webpage related to the client request (webpage contains the requested file))*.

12. With regards to claim 12, Zhou teaches a system wherein in response to

receiving a URL address associated with said session initiation request, said

interface processor provides a redirected URL as said response address link

comprising a redirected URL identifying an address of said web page

supporting said particular user initiated session and incorporating an identifier

for identifying a particular server supporting said particular user initiated

session *(Zhou's transfer agent (which is included in the web server) sends a*

symbolic link to the requesting client; see column 2, lines 39-48, Zhou. The

symbolic link has a URL (address) and is associated with webpage related to

the client request (webpage contains the requested file)).

13. With regards to claim 16, Zhou teaches a network compatible system for

distributing messages associated with a plurality of user initiated operation

sessions of an executable application, comprising: an interface processor for

receiving data representing a URL associated with a request for data

supporting a particular user initiated session *(The transfer agent (which is*

included in the web server) sends a symbolic link to the requesting client; see

column 2, lines 39-48, Zhou. The symbolic link has a URL (address) and is

associated with webpage related to the client request (webpage contains the

requested file)); and a switch processor for, parsing said data representing

said URL to identify data representing a server identifier, comparing said

server identifier with a plurality of stored predetermined server identifiers to

identify a matching server identifier corresponding to a particular server and

for redirecting said request for data supporting said particular user initiated

session to said particular server in response to a match *(Refer to the*

flowchart within Figure 4 of Zhou's disclosure. Within the flowchart and the

related description, it is made clear how a URL is filtered (parsed) to extract

and store (inherent) the link and associated file).

14. With regards to claim 18, Zhou teaches a network compatible system for

distributing messages associated with a plurality of user initiated operation

sessions of an executable application, comprising: an interface processor for

receiving data representing a URL associated with a request for data

supporting a particular user initiated session *(The transfer agent (which is*

included in the web server) sends a symbolic link to the requesting client; see

column 2, lines 39-48, Zhou. The symbolic link has a URL (address) and is

associated with webpage related to the client request (webpage contains the

requested file)); and a switch processor for, parsing said data representing

said URL to identify whether said URL is associated with a data request of a

first or different second type, and processing said URL associated data

request of a first type differently to a URL associated data request of a

second type *(Refer to the flowchart within Figure 4 of Zhou's disclosure.*

Within the flowchart and the related description, it is made clear how a URL is

filtered (parsed) to extract and store (inherent) the link and associated file.

Plus, Zhou also teaches how various file formats can be determined; see

column 5, lines 30-38 and column 6, lines 18-23, Zhou).

15. With regards to claim 20, Zhou teaches a system wherein said switch processor parses said data representing said URL to identify whether said URL associated data request is of a first type by determining if said URL data field contains an ASP extension *(Zhou allows for dynamic pages; see column 6, lines 18-23, Zhou)*.

16. With regards to claim 21, Zhou teaches a system wherein said switch processor parses said data representing said URL to identify whether said URL is stateless *(Zhou allows for HTTP which is stateless; see column 5, lines 24-26, Zhou)*.

17. With regards to claim 22, Zhou teaches a system wherein said switch processor determines if said URL data field is stateless if it contains at least one of, (a) a .gif extension, (b) a .is extension (c) a .jpeg extension and (d) a .html extension *(see column 5, lines 30-38, Zhou)*.

18. With regards to claim 23, Zhou teaches a system wherein a URL associated data request of a first type is performable by a particular server and a URL associated data request of a second type is performable by a plurality of different servers *(Zhou describes how based on file type a determination is made which OS to use, hence a determination is made as to which server to use; see column 5, lines 30-38, Zhou)*.

19. With regards to claims 24 and 25, Zhou teaches a system wherein if said URL is associated with a data request of a first type, said switch processor

compares said server identifier with a plurality of stored predetermined server

identifiers to identify a matching server identifier corresponding to a particular

server and for redirecting said request for data supporting said particular user

initiated session to said particular server in response to a match *(see column*

6, lines 15-53, Zhou).

Conclusion

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to AZIZUL CHOUDHURY whose telephone number is

(571)272-3909. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Jason Cardone can be reached on (571) 272-3933. The fax phone number

for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

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For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a

USPTO Customer Service Representative or access to the automated information

system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/A. C./
Examiner, Art Unit 2145

/Jason D Cardone/
Supervisory Patent Examiner, Art Unit 2145